

#10

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Hisatoshi HIROTA	)	
	)	
Application No.: 09/541,779	)	Office of Petitions
	)	Patent and Trademark Office
Filed: April 3, 2000	)	
	)	
Title: CAPACITY CONTROLLER	)	
OF CAPACITY VARIABLE	)	
COMPRESSOR	)	

**SUPPLEMENTAL INFORMATION FOR PETITION  
TO WITHDRAW HOLDING OF ABANDONMENT**

ATTN: Examiner Scherbel  
Box DAC  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This supplemental information is being provided to clarify the information provided in the original Petition to Withdraw Holding of Abandonment, which was faxed to the PTO on March 11, 2002.

This supplemental information is being provided by the firm of Patterson, Thuente, Skaar & Christensen, L.L.C. The Patterson firm has taken over responsibility for the above-identified patent application from Mr. James E. Nilles, who has recently retired and closed the Nilles & Nilles, S.C. firm. The Patterson firm is a separate entity from the Nilles firm, but has taken over the space formerly occupied by the Nilles firm, and has access to the docketing system formerly used by the Nilles firm.

Applicant asserts that the Office communication having a mailing date of May 9, 2001, which was received from the PTO, did not include an Office Action.

Application No. 09/541,779

In particular, Applicant asserts that the Office communication having a mailing date of May 9, 2001 merely included a PTO-90C cover sheet, a PTO-413 form comprising two pages, (one sheet titled Interview Summary and the second sheet titled Summary of Record Interview Requirements), and a Notice of Draftperson's Patent Drawing Review.

A search of the file jacket reveals that the above-listed items are the only items in the file for this application corresponding to the May 9, 2001 Office communication. No Office Action appears in the file, nor any indication that an Office Action was received appears in the file. The only prior art references in the file are those that were listed on form PTO-1449, submitted with an Information Disclosure Statement dated March 9, 2001.

When the May 9, 2001 Office communication was received, the person (unknown) who did the docketing at the Nilles firm did docket two dates: a three month date of Aug. 9, 2001 and a six month date of Nov. 9, 2001. It must be noted, however, that these entries were entered in the docket system with entry code 1, which is "Office Action or Examiner's Letter." Quite possibly, the person who did the docketing was unsure about what to do with an Interview Summary, and to be on the safe side, docketed standard response times. A copy of the docketed items that are printed out as stickers and attached to the Office communication is attached hereto.

On August 31, 2001, for whatever reason, the docket records pertaining to the Office communication were deleted. A search of the file jacket and computer word processing files indicate that no Response to an Office Action was ever prepared or attempted. Quite possibly, at that time, Mr. Nilles reviewed the file jacket, noted only an Interview Summary, and requested that the docket records be deleted.

The handwritten notes of Mr. Nilles in this file written on a sheet of yellow paper dated Feb. 22, 2002 state: "I only rec'd interview summary (1 page) and never rec'd action."

Thus, Applicant asserts that this Application was not properly held abandoned. Accordingly, Applicant requests the withdrawal of the holding of abandonment.

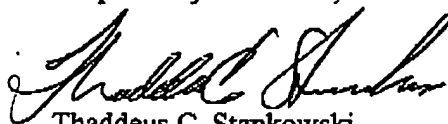
Application No. 09/541,779

Thus, Applicant asserts that this Application was not properly held abandoned.  
Accordingly, Applicant requests the withdrawal of the holding of abandonment.

Should the Examiner have any further questions or comments, the Examiner is invited to contact the Applicant's undersigned representative at the telephone number listed below.

The Commissioner is hereby authorized to deduct any additional fees arising as a result of this or any other communication from or to credit any overpayments to Deposit Account No. 50-2522.

Respectfully submitted,



Thaddeus C. Stankowski  
Attorney for Applicant(s)  
Registration No. 45,522

Customer No. 35110  
Patterson, Thuent, Skaar & Christensen, LLC  
2000 US Bank Center  
777 East Wisconsin Avenue  
Milwaukee, Wisconsin 53202-5345  
Telephone: (414) 276-0977  
Facsimile: (414) 276-0982

*Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 50-2522*

## CERTIFICATE OF FACSIMILE

I hereby certify that this document is being deposited with the United States Patent and Trademark Office via facsimile transmission to (703) 746-4590 to the Attention of: Examiner Scherbel, Box DAC, Assistant Commissioner for Patents, Washington, D.C. 20231 on 18 February 2003.

J. White  
Printed Name

J. White  
Signature


**UNITED STATES DEPARTMENT OF COMMERCE**  
**United States Patent and Trademark Office**

 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/541,779	08/03/00	MINOTA	14 133,040

TAMMIS E. NILLES  
 NILLES & NILLES SC  
 FISTAR CENTER SUITE 2000  
 777 EAST WISCONSIN AVENUE  
 MILWAUKEE WI 53202-5345

09/02/00

EXAMINER

SOLE AGENT

ART UNIT

PAPER NUMBER

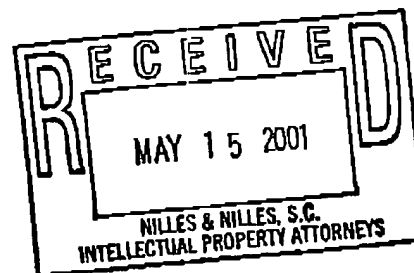
3746

DATE MAILED:

05/09/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



FILE NO:US09541779ATTY:JEN  
 DUE DATE:08-09-2001 ( 20010809 )  
 GRUNECKER, KINK/INIT:( 20010509 )  
 ACTION:01 RES PER:3 M DK1  
 / 14740

FILE NO:US09541779ATTY:JEN  
 DUE DATE:11-09-2001 ( 20011109 )  
 GRUNECKER, KINK/INIT:( 20010509 )  
 ACTION:01 RES PER:6 MONTHS DK1  
 6 Month Follow-up Notice / 14743

**Interview Summary**

Application No.

09/541,779

Applicant(s)

HIROTA, HISATOSHI

Examiner

Timothy P. Solak

Art Unit

3746

All participants (applicant, applicant's representative, PTO personnel):

(1) Timothy P. Solak.

(3)\_\_\_\_\_.

(2) Mr. Nilles.

(4)\_\_\_\_\_.

Date of Interview: 27 April 2001.

Type: a) ☒ Telephonic b) ☐ Video Conference  
 c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
 If Yes, brief description:

Claim(s) discussed: 1-10.Identification of prior art discussed: None.Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: I informed Mr. Nilles of problems in claims 1-9, namely claims 1-3 were narrative in nature and lacked structure and (method) claims 8-9 lacked steps. Mr. Nilles informed me that he would fax a pre-amendment.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☐ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
 Examiner's signature, if required

FORM PTO 948 (REV. 01-70)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No.

09/541779

NOTICE OF DRAFTPERSON'S  
PATENT DRAWING REVIEWThe drawing filed (insert date) 4/3/00 are:A. ☐ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:  
Black ink. Color.☐ Color drawing are not acceptable until petition is granted.

Fig(s) \_\_\_\_\_

☐ Pencil and non black ink is not permitted. Fig(s) \_\_\_\_\_

## 2. PHOTOGRAPHS. 37 CFR 1.84(b)

☐ Photographs are not acceptable until petition is granted.☐ 3 full-tone sets are required. Fig(s) \_\_\_\_\_☐ Photographs not properly mounted (must be on board or photographic double-weight paper). Fig(s) \_\_\_\_\_☐ Poor quality (half-tone). Fig(s) \_\_\_\_\_

## 3. TYPE OF PAPER. 37 CFR 1.84(c)

☐ Paper not flexible, strong, white and durable.

Fig(s) \_\_\_\_\_

☐ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)☐ Mylar, vellum paper is not acceptable (too thin).

Fig(s) \_\_\_\_\_

## 4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

☐ 21.0 cm by 29.7 cm (DIN size A4)☐ 21.0 cm by 27.9 cm (8 1/2 x 11 inches)☐ All drawings sheets not the same size.

Sheet(s) \_\_\_\_\_

## 5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: A4 SizeTop 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: 8 1/2 x 11☐ Margins not acceptable. Fig(s) \_\_\_\_\_☐ Top (T) \_\_\_\_\_ Left (L)☐ Right (R) \_\_\_\_\_ Bottom (B)

## 6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

☐ Views connected by projection lines or lead lines.

Fig(s) \_\_\_\_\_

☐ Partial views. 37 CFR 1.84(h)(2)☐ Brackets needed to show figure as one entity.

Fig(s) \_\_\_\_\_

☐ Views not labeled separately or properly.

Fig(s) \_\_\_\_\_

☐ Enlarged view not labeled separately or properly.

Fig(s) \_\_\_\_\_

## 7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

☐ Hatching not indicated for sectional portions of an object.

Fig(s) \_\_\_\_\_

☐ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

## 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_☐ Views not on the same plane on drawing sheet. Fig(s) \_\_\_\_\_

## 9. SCALE. 37 CFR 1.84(k)

☐ Scale not large enough to show mechanism with crowding when drawing is reduced to size to two-thirds in reproduction.

Fig(s) \_\_\_\_\_

## 10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(l)

☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).Fig(s) 1, 5, 6, 8

## 11. SHADING. 37 CFR 1.84(m)

☐ Solid black areas pale. Fig(s) \_\_\_\_\_☐ Solid black shading not permitted. Fig(s) \_\_\_\_\_☐ Shade lines, pale, rough and blurred. Fig(s) \_\_\_\_\_12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.  
37 CFR 1.48(p)☒ Numbers and reference characters not plain and legible.

Fig(s) \_\_\_\_\_

☒ Figure legends are poor. Fig(s) 4, 11☐ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_☐ English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_☐ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_

## 13. LEAD LINES. 37 CFR 1.84(g)

☐ Lead lines cross each other. Fig(s) \_\_\_\_\_☐ Lead lines missing. Fig(s) \_\_\_\_\_

## 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(i)

☐ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) \_\_\_\_\_

## 15. NUMBERING OF VIEWS. 37 CFR 1.84(v)

☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_

## 16. CORRECTIONS. 37 CFR 1.84(w)

☐ Corrections not made from PTO-948 dated \_\_\_\_\_

## 17. DESIGN DRAWINGS. 37 CFR 1.152

☐ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_☐ Solid black shading not used for color contrast.

Fig(s) \_\_\_\_\_

COMMENTS

REVIEWER

OBR

DATE

4/30/01

TELEPHONE NO.

203 305 1359

ATTACHMENT TO PAPER NO.

8

\*\*\*\*\* -COMM. -\*\*\*\*\* DATE FEB-19-2003 TIME 14:45 \*\*\*\*\*

MODE = MEMORY TRANSMISSION

START=FEB-19 14:42

END=FEB-19 14:46

FILE NO.=811

STN NO.	COMM.	ABBR NO.	STATION NAME/TEL NO.	PAGES	DURATION
001	OK	*	17837464590	008/008	00:02:54

-PATTERSON THUENTE WI -

\*\*\*\*\* -PATTERSON WI - \*\*\*\*\* 414 276 0982-\*\*\*\*\*

## PATTERSON, THUENTE, SKAAR &amp; CHRISTENSEN, LLC

2000 US Bank Center  
777 East Wisconsin Avenue  
Milwaukee, Wisconsin 53202-5345

## FACSIMILE COVER SHEET

TELEPHONE: (414) 276-0977

FACSIMILE: (414) 276-0982

TOTAL NUMBER OF PAGES BEING SENT (INCLUDING COVER SHEET): 8

☐ Original documents to follow by mail☒ No originals will be sent

DATE: 19 February 2003

TO: EXAMINER SCHERBEL, BOX DAC

FAX #: (703) 746-4590

PHONE#: (703) 308-1272

YOUR REF.: USSN 09/541,779

OUR REF.: W1031.45-US-01  
[Formerly 131.046]

FROM: JULIE A. ZAVORAL

PHONE#: (414) 276-0977

COMMENTS:

THIS FACSIMILE TRANSMISSION CONTAINS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED FOR THE PARTY IDENTIFIED ABOVE. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE CALL PATTERSON, THUENTE, SKAAR &amp; CHRISTENSEN COLLECT AT (414) 276-0977. DISTRIBUTION, REPRODUCTION OR ANY OTHER USE OF THIS TRANSMISSION BY ANY PARTY OTHER THAN THE INTENDED RECIPIENT IS STRICTLY PROHIBITED.

FACSIMILE SENT BY J. WHITE



## UNITED STATES DEPARTMENT OF COMMERCE

## United States Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/541,779	04/09/00	NIKOLA	14 133,040

TAMES E NILES  
NILES & NILES SC  
FISHER CENTER SUITE 2000  
777 EAST WISCONSIN AVENUE  
MILWAUKEE WI 53202-5345

09/24/00

EXAMINER

SOLAR T

ART UNIT

PAPER NUMBER

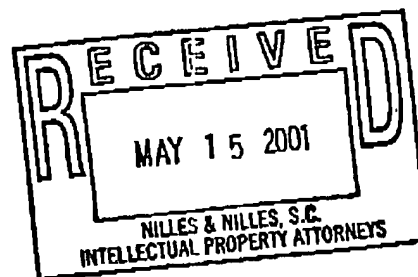
3741

DATE MAILED:

05/09/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



FILE NO:US09541779ATTY:JEN  
DUE DATE:08-09-2001 ( 20010809 )  
GRUNECKER, KINK/INIT:( 20010509 )  
ACTION:01 RES PER:3 M DK1  
/ 14740

FILE NO:US09541779ATTY:JEN  
DUE DATE:11-09-2001 ( 20011109 )  
GRUNECKER, KINK/INIT:( 20010509 )  
ACTION:01 RES PER:6 MONTHS DK1  
6 Month Follow-up Notice / 14741



**Interview Summary**

Application No.

09/541,779

Applicant(s)

HIROTA, HISATOSHI

Examiner

Timothy P. Solak

Art Unit

3746

All participants (applicant, applicant's representative, PTO personnel):

(1) Timothy P. Solak.

(3) \_\_\_\_\_.

(2) Mr. Nilles.

(4) \_\_\_\_\_.

Date of Interview: 27 April 2001.Type: a) ☒ Telephonic b) ☐ Video Conferencec) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.

If Yes, brief description:

Claim(s) discussed: 1-10.Identification of prior art discussed: None.Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: I informed Mr. Nilles of problems in claims 1-9, namely claims 1-3 were narrative in nature and lacked structure and (method) claims 8-9 lacked steps. Mr. Nilles informed me that he would fax a pre-amendment.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☐ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

### ary of Record of Interview Requirements

#### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

#### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiner's Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case unless both applicant and examiner agree that the examiner will record same. Where the examiner agrees to record the substance of the interview, or when it is adequately recorded on the Form or in an attachment to the Form, the examiner should check the appropriate box at the bottom of the Form which informs the applicant that the submission of a separate record of the substance of the interview as a supplement to the Form is not required.

It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

FORM PTO 948 (REV. 01-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No.

09/541779

# NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (Insert date) 4/3/00 are:A. ☐ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings if necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

## 1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawing: Black ink. Color.

☐ Color drawing are not acceptable until petition is granted.

Fig(s) \_\_\_\_\_

☐ Pencil and non black ink is not permitted. Fig(s) \_\_\_\_\_

## 2. PHOTOGRAPHS. 37 CFR 1.84(b)

☐ Photographs are not acceptable until petition is granted.☐ 3 full-tone sets are required. Fig(s) \_\_\_\_\_☐ Photographs not properly mounted (must be on board or photographic double-weight paper). Fig(s) \_\_\_\_\_☐ Poor quality (half-tone). Fig(s) \_\_\_\_\_

## 3. TYPE OF PAPER. 37 CFR 1.84(c)

☐ Paper not flexible, strong, white and durable.

Fig(s) \_\_\_\_\_

☐ Erasures, alterations, overwritings, interferences, folds, copy machine marks not acceptable. (too thin)☐ Mylar, vellum paper is not acceptable (too thin).

Fig(s) \_\_\_\_\_

## 4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

☐ 21.0 cm by 29.7 cm (DIN size A4)☐ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)☐ All drawings sheets not the same size.

Sheet(s) \_\_\_\_\_

## 5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: A4 SizeTop 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: 8 1/2 x 11☐ Margins not acceptable. Fig(s) \_\_\_\_\_☐ Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_☐ Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

## 6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

☐ Views connected by projection lines or lead lines.

Fig(s) \_\_\_\_\_

Partial views. 37 CFR 1.84(h)(2)

☐ Brackets needed to show figure as one entity.

Fig(s) \_\_\_\_\_

☐ Views not labeled separately or properly.

Fig(s) \_\_\_\_\_

☐ Enlarged view not labeled separately or properly.

Fig(s) \_\_\_\_\_

## 7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

☐ Hatching not indicated for sectional portions of an object.

Fig(s) \_\_\_\_\_

☐ Sectional designation should be noted with Arabic or

Roman numbers. Fig(s) \_\_\_\_\_

## 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_☐ Views not on the same plane on drawing sheet. Fig(s) \_\_\_\_\_

## 9. SCALE. 37 CFR 1.84(k)

☐ Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) \_\_\_\_\_

## 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).Fig(s) 1, 3, 6, 8

## 11. SHADING. 37 CFR 1.84(m)

☐ Solid black areas pale. Fig(s) \_\_\_\_\_☐ Solid black shading not permitted. Fig(s) \_\_\_\_\_☐ Shade lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

## 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

☒ Numbers and reference characters not plain and legible.

Fig(s) \_\_\_\_\_

☒ Figure legends are poor. Fig(s) A11☐ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_☐ English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_☐ Numbers, letters and reference characters must be at least

.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) \_\_\_\_\_

## 13. LEAD LINES. 37 CFR 1.84(q)

☐ Lead lines cross each other. Fig(s) \_\_\_\_\_☐ Lead lines missing. Fig(s) \_\_\_\_\_

## 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(r)

☐ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) \_\_\_\_\_

## 15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_

## 16. CORRECTIONS. 37 CFR 1.84(w)

☐ Corrections not made from PTO-948 dated \_\_\_\_\_

## 17. DESIGN DRAWINGS. 37 CFR 1.152

☐ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_☐ Solid black shading not used for color contrast.

Fig(s) \_\_\_\_\_

COMMENTS

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APPLICANT'S COPY

Serial No. 09/541,779  
Inventors: Hirota

Filed: April 3, 2000  
Docket 133.046  
Atty: JEN:ds

The following dated December 5, 2002 has been received in the U.S. Patent Office on the **DATE STAMPED** hereon:

Substitution of Attorney (2 pages)



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